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GenCore version 4.5

OM nucleic - nucleic search, using sw model
Run on: September 10, 2002, 19:40:25 : Search time 174.61 Seconds
Perfect score: US-09-597-771-11
Sequence: 1 aaaaatccatggagagaa.....gaaaaaaaaaaaaaaa 780
Scoring table: IDENTITY.NUC
Gapop 10.0 , Gapext: 1.0
Searched: 13736207 seqs, 6748477542 residues

Total number of hits satisfying chosen parameters: 2747214
Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :	Result No.	Score	Query %	Match Length	DB ID	Description
EST:	1:		em_estba:	*		
	2:		em_estrum:	*		
	3:		em_estin:	*		
	4:		em_estmlu:	*		
	5:		em_estov:	*		
	6:		em_estpl:	*		
	7:		em_estro:	*		
	8:		em_htc:	*		
	9:		gb_est1:	*		
	10:		gb_est2:	*		
	11:		gb_htc:	*		
	12:		gb_gss:	*		
	13:		em_gss_hum:	*		
	14:		em_gss_inv:	*		
	15:		em_gss_pln:	*		
	16:		em_gss_vrt:	*		

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query %	Match Length	DB ID	Description
1	107.4	90.7	736	10	BG126997 EST472643
2	695.2	89.1	761	10	BG128621 EST474267
3	660.4	84.7	692	10	BG129599 EST475245
4	632.4	81.1	703	10	BM11265 EST558801
5	632.4	81.1	708	10	BW408093 EST582420
6	630.8	80.9	708	10	BT17926 EST520211
7	617.8	79.2	708	10	BT143851 EST530599
8	617.4	79.2	646	10	BF113889 EST441479
9	616.4	79.0	646	9	AW6211798 EST312596
10	613.8	78.7	637	9	A1691151 EST341860
11	612.2	78.5	654	9	AW622132 EST312930
12	605.8	77.7	624	10	BT203894 EST521924
13	603.2	77.3	622	10	BT205158 EST523194
14	588.4	75.4	617	10	BE451409 EST402297
15	579.8	74.3	645	10	BG390355 EST498197
16	578.4	74.2	636	10	BG131118 EST464910
17	573.4	73.5	694	10	BF460225 07RA04 Ma

QY	599	ctagatataactgtgttatttgactgttc	630	Db	242	GGTTTGTGTCACACTCTACTGAAAGTGCACCAACGATGACCCAGGCTCCAC	301
Db	623	CTGATATAACTGIGTATTGCACTGTC	654	QY	400	gataaaatctgtgaaggagttaaagatgggtccaggaaaggatctgggt	459
LOCUS	B1203884	B1203884	624 bp mRNA linear EST 11-JUL-2001	Db	302	GATGAAACTCTGCGAAGGAGTTAACGCCGTRAGGATGTTGCTACCA	361
DEFINITION	EST51924	ctOS Lycopersicon esculentum cDNA clone	ctOS3122 5', end, mRNA sequence.	QY	460	tctttttatctgtcgatggcgagaaggacattaaacgcgcgttaaggatgttgttacca	519
ACCESSION	B1203884	B1203884.1	GI:14661608	Db	362	TCTGTTATCTGGCATGGCGANGAGCAGTAAAGTGGGTCAGGAGGAAGGATCUTGTTG	421
VERSION				QY	520	aatttagtttgtcatggggc-ataaacactccaaaggatctaaggatcttacatcc	577
KEYWORDS				Db	422	AATTAGTTGTCAGGGCGCATATAACTGCCAAAGCTTAAGACATACATAC	481
SOURCE				QY	578	taatgtggacttgtatcactagatataactgtgttatttgactgtcaaca	637
ORGANISM	Lycopersicon esculentum			Db	482	TAATGTGGACTGTGATACAGATTTAACTGTGTATTTGACGTGTC	541
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Lycoposidion.				QY	638	aagaagaaaactgtgttatgtactagagaaatgtgtttgagtttacagacaca	697
REFERENCE	1	(bases 1 to 624)		Db	542	AAGAAAGAAACCTGTGTTATGGCTAGAGAAGTATTCGTTTGAGCTTACAGCAC	601
AUTHORS	van der Hoeven, R., Sun, H., Bezzerezides, J., Cho, J., Utterback, R., Ronning, C., and Tanksley, S.			QY	698	gttqaactgtgaaaattttcac	720
TITLE	Generation of ESTs from Tomato Suspension Cultures			Db	602	GTGAACTATGTGAAATCTAC	624
JOURNAL	unpublished (2001)						
COMMENT	Contact: CUGI						
ORIGIN	Clemson University						
BASE COUNT	100	Jordan Hall, Clemson, SC 29634, USA					
FEATURES	Email: http://www.genome.clemson.edu/orders/index.html .						
source							
FEATURES	Location/Qualifiers						
source	l.. . 624						
1.							
ACCESSION	B1205158	B1205158	622 bp mRNA linear EST 11-JUL-2001	DEFINITION	EST52398	ctOS Lycopersicon esculentum cDNA clone	ctOS7M5 5', end,
VERSION	B1205158	B1205158.1	GI:14682882	KEYWORDS			
SOURCE				ORGANISM	Lycopersicon esculentum		
				Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Asteridae; eusterids I; Solanales; Solanaceae; Solanum; Lycoposidion.			
				REFERENCE	1	(bases 1 to 622)	
				AUTHORS	van der Hoeven, R., Sun, H., Bezzerezides, J., Cho, J., Utterback, R., Ronning, C., and Tanksley, S.		
				TITLE	Generation of ESTs from Tomato Suspension Cultures		
				JOURNAL	Unpublished (2001)		
				COMMENT	Contact: CUGI		
				ORIGIN	Clemson University		
				BASE COUNT	100	Jordan Hall, Clemson, SC 29634, USA	
				FEATURES	Email: http://www.genome.clemson.edu/orders/index.html .		
				source			
				FEATURES	Location/Qualifiers		
				source	l.. . 622		
				1.			
QY	100	tcccaacagcaactgtggaaacctccgtaaatgttacatgtttatccaaggcggtcc	159	DEFINITION	EST507M5	/organism="lycopersicon esculentum"	
Db	2	TTTCCACAGCAAGCTGGAACATCTCGTAAATGATGTTACATCGTGTATCAAAGGGTCC	61	ACCESSION	B1205158	/clone="ctOS7M5"	
QY	160	tccaaatgtgttgggtctcaatctaaaaactggaaaacacggacatctctaattgtcc	219	VERSION	B1205158.1	/clone_1b="ctOS"	
Db	62	TCCAGGTGTTGAGCTCCACTCAAATCTGGAAAGCAGGACATGCTAAATGTC	121	KEYWORDS	EST	/tissue_type="suspension cultures"	
QY	220	tctgtggcaatttgcacatttcataatggaaactggaaatctgggttgcgttccca	279	SOURCE		/lab_host="SOLR"	
Db	122	TTTGTGGCAATTCATGACATTTCATGCAAAACGTGGAAATCTGGTTCGCCAC	181			/note="Vector: pBluescript SK(-); Site_1: EcoRI; Site_2: EcoRI; Suspension cultures of L. esculentum E6203 were grown in Murashige and Skoog based medium, supplemented with 15% coconut milk (filter sterilized and added after autoclaving), 2% sucrose, and 1mg/ml 2,4D (pH 5.8). Fresh medium was added every 7 days, and cultures were grown at 25 °C, with 12hrs of light and continuous shaking."	
QY	280	atttgtgtatgtggccacatgttaaccgtaccgtatcagttatctgtggat	339				
Db	182	AAATGGATGAGCCACATGTTACCGTACGACTATCAGTGTATCTCGTGAAGT	241				
QY	340	ggtttggctacttctactggaaatggaaacacaaggatgactcaggctccac	399				
BASE COUNT	190	a 123 c 146 g 163 t					
ORIGIN							
Query Match		77.3%	Score 603.2;	DB	10;	Length 622;	

